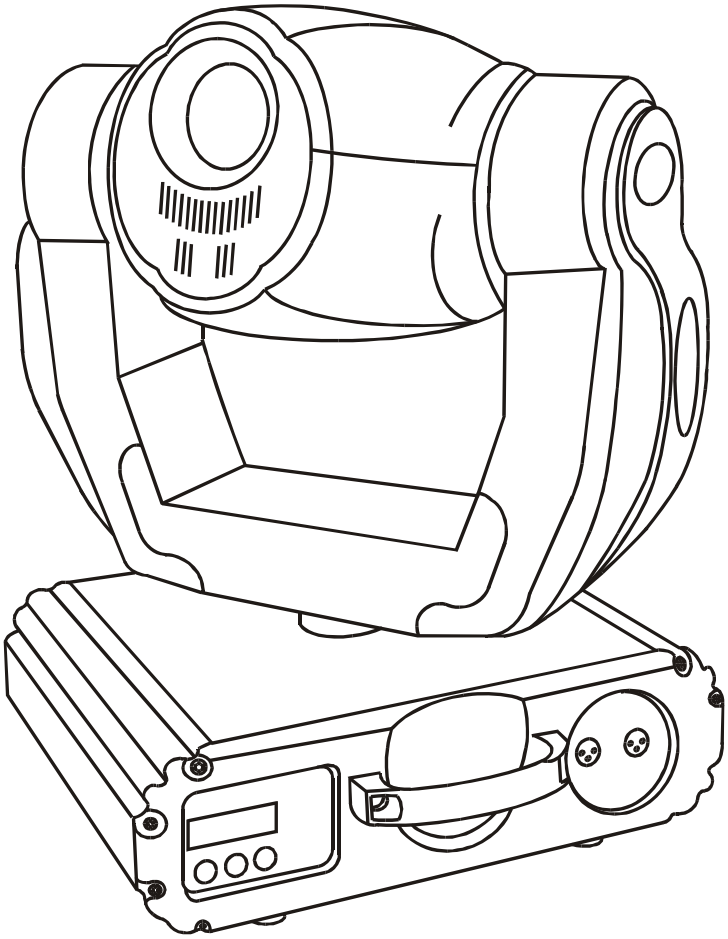
MY 250İ USER MANUAL

(V1.09)



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Introduction

Thank you for choosing **Elektralite's MY 250İ** fixture.
Please read the User Manual carefully and keep it in a safe place after reading it.
MY 250İ is very easy to install and use once you have read the manual. Failure to do so could result in damage to the fixture, which will not be covered under warranty so please take the time to read it.

When you unpack **MY 250İ** you should find inside the box: the fixture, a 120 volt power cable, a 3 pin DMX signal cable, a safety cable and of course this CD. Please check carefully that there is no damage caused by transportation. Should there be any, consult your dealer immediately and **don't** install it.

Features

- Pan 630° / Tilt 265° with 16-bit resolution.
- Speed control channel for Pan and Tilt.
- Iris with iris effects generator.
- Electronic focus.
- 8 colors plus white and rainbow effect
- 6 rotating gobos plus open white.
- 7 fixed gobos plus open.
- Gobo shake and gobo indexing.
- 3 facet rotating prism with 16 in-built macro effects.
- Strobe : with a frequency of 0~15 flashes per second with random function.
- Dimmer 0 to 100%.
- Automatic programs : 8 pre-built programs can be selected.
- Display : digital address and function setting (also the display can be inverted if fixture is hung upside down).
- Local or remote resetting
- Lamp switch ON/OFF locally
- Auto test for all functions
- Value of each DMX-channel can be displayed
- Saved Program : You can edit and save a program internally in the fixture by using either the display panel of the fixture or using an external controller (your **Elektralite CP10xt or CP20xt**). You can save a maximum of 48 scenes. You can then run this saved program by using the "run" feature from the menu on the display panel

SAFETY INSTRUCTIONS

A Word of Caution.

Please remember you will be working with 120 volts and you can suffer electric shock from any exposed lives wires. So please be careful at all times and behave wisely.
Now you're **MY 250İ** left **Elektralite's** factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely essential that the installer and user follow the safety instructions and warning notes written in this user manual. Remember any damage caused by disregarding the manual or not reading it, will not be covered by warranty and **Elektralite** (or any of its dealers) will not accept responsibility for any resulting damage or problems.

If **MY 250İ** has been exposed to large environmental temperature changes in transit please do not switch it on immediately it is unpacked. There maybe internal condensation. So leave **MY 250İ** off until it has reached the running temperature of the venue.

Elektralite's MY 250İ needs to be grounded. Do **NOT** cut the ground pin or try to use two-core cable to connect it to a 120-volt receptacle. **To be safe and to work properly you must have this fixture grounded.**

A qualified electrician must do any electrical work.

Make sure that the power is only 120 volts. This unit will be damaged if you chose to install it at any other voltage. In an installation it is always best to check the voltage before connecting. And remember never try to connect you're **MY 250Ì** live.

Make sure that the power cable is not damaged and never break off the ground pin.

Always disconnect the power, when the device is not in use or before cleaning it. If you don't then you are wasting the lamp life. Merely closing the shutter just stops the light output, it does **NOT TURN OFF THE LAMP**.

Never try to disconnect you're **MY 250Ì** by pulling out the plug by tugging the cord.

Never touch **MY 250Ì** when powered up. The lamp produces a considerable amount of heat and as a result the housing does get hot. You can be burnt if you touch it.

Never look directly into the lamp source. Sensitive person could suffer an epileptic shock.
Never open **MY 250Ì** and look at the lamp when the lamp is still on or when it is turned off but still hot or even warm. **MY 250Ì** uses a discharge lamp, which is volatile. The lamp can explode at anytime. Use extreme caution and do not expose yourself to it. When replacing the lamp do not touch any glass part of the lamp. Only handle by the silver terminal ends. Do not over tighten when installing a new lamp. Hand tight is more than enough. PLEASE make sure that power to the fixture is **disconnected** and allow the fixture to **cool down** to room temperature before installing a new lamp.

Please keep out of reach of the general public, children and animals.

GENERAL GUIDELINES

MY 250Ì is a lighting effect for professional use on stages, in clubs, theatres, and so on.
This fixture should only be operated at the voltage, which stated in the technical specifications in the last page of this manual.
MY 250Ì is designed for indoor use only.
MY 250Ì is not designed for permanent operation. Consistent operation breaks may ensure that the device will serve you for a long time without defects.
Do not shake **MY 250**.
Do not use physical force when installing or operating **MY 250Ì**.
While choosing the installation position, please make sure that **MY 250Ì** is not exposed to extreme heat, moisture or dust.
The minimum distance from **MY 250Ì** output front lens to any illuminated surface must be more than 3 feet. Please be careful what surface you shine the light onto; light also has heat and this can affect the illuminated surface. **Elektralite** will not be responsible for fading, color distortion or heat distortion caused by the light beam.
When you hang **MY 250Ì** please use an appropriate safety cable. Please make sure that any hanging equipment, like threaded rod or C clamp is appropriate for the job. Remember, with a moving yoke fixture, that the momentum of moving this large mass will cause extra "stress" on any mounting materials. When mounting **MY 250Ì** in the air be sure to use bolts which are M10.The M10 bolts should be **no less** than 25mm long and the thread type should be 1.5mm.
Metric explanation:- If you go to a good hardware store (like Home Depot or Lowe's) you will be purchasing bolts that have written on the packaging 10mm x 1.5mm x 25mm. [The last figure of 25mm can be a higher value read on].
10mm is the diameter of the bolt itself. 10mm is roughly 0.4 of an inch. In engineering drawings 10mm is also written or described as M10.
1.5mm is the distance between each thread or turn of the screw. Engineering drawings refer to this as the pitch of the screw. Now in places like Home Depot they stock 10mm bolts with 1.0mm, 1.25mm and 1.5mm pitch. So be careful you buy the right pitch: 1.5mm.
25mm is the **minimum** length of bolt you should use. Bolts are available in 5mm steps. So you can get 25mm, 30mm, 35mm and so on. Choose the bolt that best fits the length you will need to hold the C clamp or whatever clamping device you will be using.
Finally, just FYI 25.4mm is 1 inch.

Only operate **MY 250Ì** you know its functions. Do not permit operation by persons not qualified.

Please use the original packaging if the device is to be transported. [Beware the majority of shipping companies will not accept any liability for damage if the fixture is not shipped in the manufacturer's original box and insert packaging material].

If this fixture is operated in any other way different to that described in this manual, the fixture could be damaged and any warranty would be void.

INSTALLATION INSTRUCTIONS

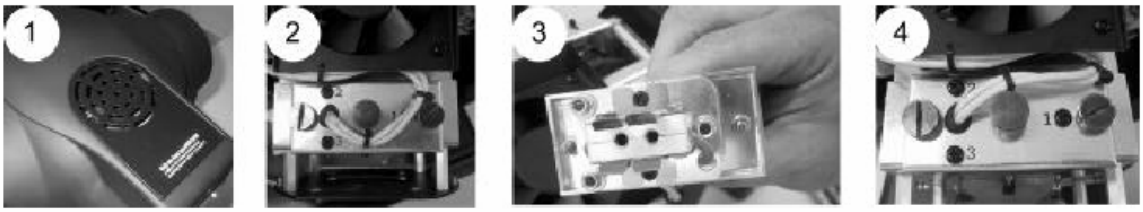
A). Installing or replacing the lamp

1. Install the lamp with the fixture unplugged from the electric source.
   Never try to replace a lamp with the fixture still turned on and still hooked up to the electric.
2. If you are replacing the lamp, before opening the housing to replace it,
   let it cool down to room temperature. The lamp burns at very high
   temperatures and it is a discharge lamp. If the lamp has been running then
   expect anything up to half an hour before the housing is cool enough to
   consider even opening up.
3. When installing a new lamp do not touch any glass part of the lamp.
   Always use a clean cloth to handle lamps. The sweat from your fingers will cause the lamp to burn incorrectly and will shorten lamp life. If you do touch the glass, then check in the lamp box

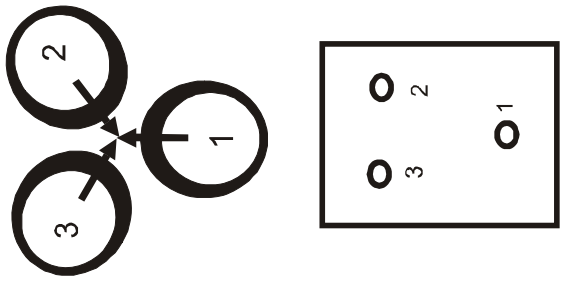
for a special wipe to clean the lamp.

4. Only install Philips MSD 250 or MSD 250/2 GY9.5 lamp. Any other lamp is not acceptable.

Procedure:



1. Unscrew the 3 screws on the top of the housing. The lamp is underneath the plate. Carefully remove the metal plate.
2. Then unscrew the 2 big screws and gently pull the socket holder using the knob in the middle.
3. Carefully insert the lamp into the socket making sure the spring clips secure the lamp socket correctly. Then insert the plate back into the fixture and fasten the 2 screws back in place.
4. On the plate there are 3 small screws marked 1, 2 and 3. These are used to adjust the lamp. You can adjust the 3 screws to fine-tune the position of the lamp. In this way you can achieve the maximum output from the lamp.



Please remember the lamp is not a hot-restrike type. You must wait for approximately 10 Minutes, after having turned off the lamp, before you can turn it back on again.

Warning- Never ever operate the lamp when it is not inside the fixture. MSD lamps are volatile and could possible explode. Only turn on the fixture with the lamp securely inside the fixture and the cover plate screwed on.

B). Mounting MY 250Ì.

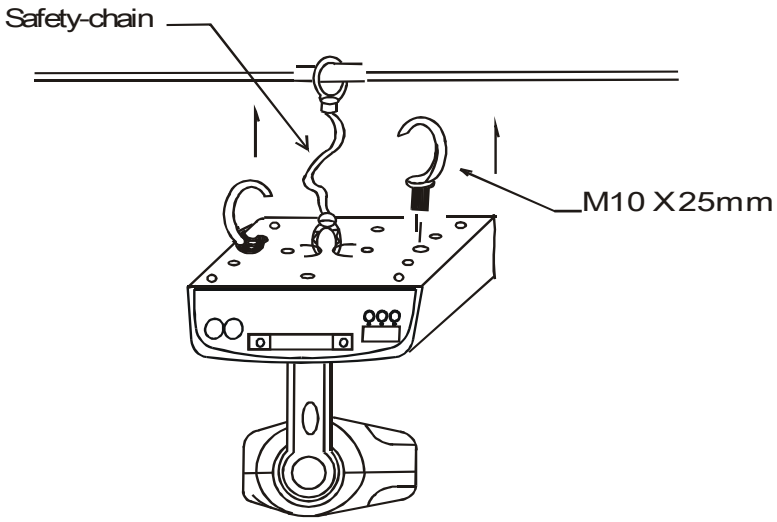
Method 1: Installation using a C clamp.

The installation must always be secured with a backup safety attachment: namely an appropriate sized safety cable. Don't clamp the safety to a C clamp. That defeats the reason for a safety cable….namely a SEPARATE backup to the primary hanging mechanism.

Never stand directly below the device when mounting, removing or servicing the **MY 250Ì**.

Please make sure **MY 250Ì** has been installed correctly both from a mechanical and electrical aspect before powering up and operating for the first time. Spending a few extra minutes double-checking everything is better than rushing to turn the fixture on.

Care should be taken to mount **MY 250Ì**. Make sure that **MY 250Ì** is mounted in such a way that no one can touch it directly. For example, when hanging **MY 250Ì** make sure it is high enough up not to hit anyone's head or run into any obstruction in its movement. Always keep **MY 250Ì** away from any inflammable material. Mounting **MY 250Ì** is a job that requires qualified personnel with experience. If the personnel doing the installation lack these qualifications do not use them to do the installation.



Using M10 (10mm) bolts screw the C clamps onto the base of **MY 250Ì** make sure that the bolts are firmly tightened but take care not to over tighten. Fit a suitable safety chain to **MY 250Ì's** center hole and attach to the truss or whatever **MY 250Ì** is attached to.

Metric explanation:- If you go to a good hardware store (like Home Depot or Lowe's) you will be purchasing bolts that have written on the packaging 10mm x 1.5mm x 25mm. [The last figure of 25mm can be a higher value read on].

10mm is the diameter of the bolt itself. 10mm is roughly 0.4 of an inch. In engineering drawings 10mm is also written or described as M10.

1.5mm is the distance between each thread or turn of the screw. Engineering drawings refer to this as the pitch of the screw. Now in places like Home Depot they stock 10mm bolts with 1.0mm, 1.25mm and 1.5mm pitch. So be careful you buy the right pitch: 1.5mm.

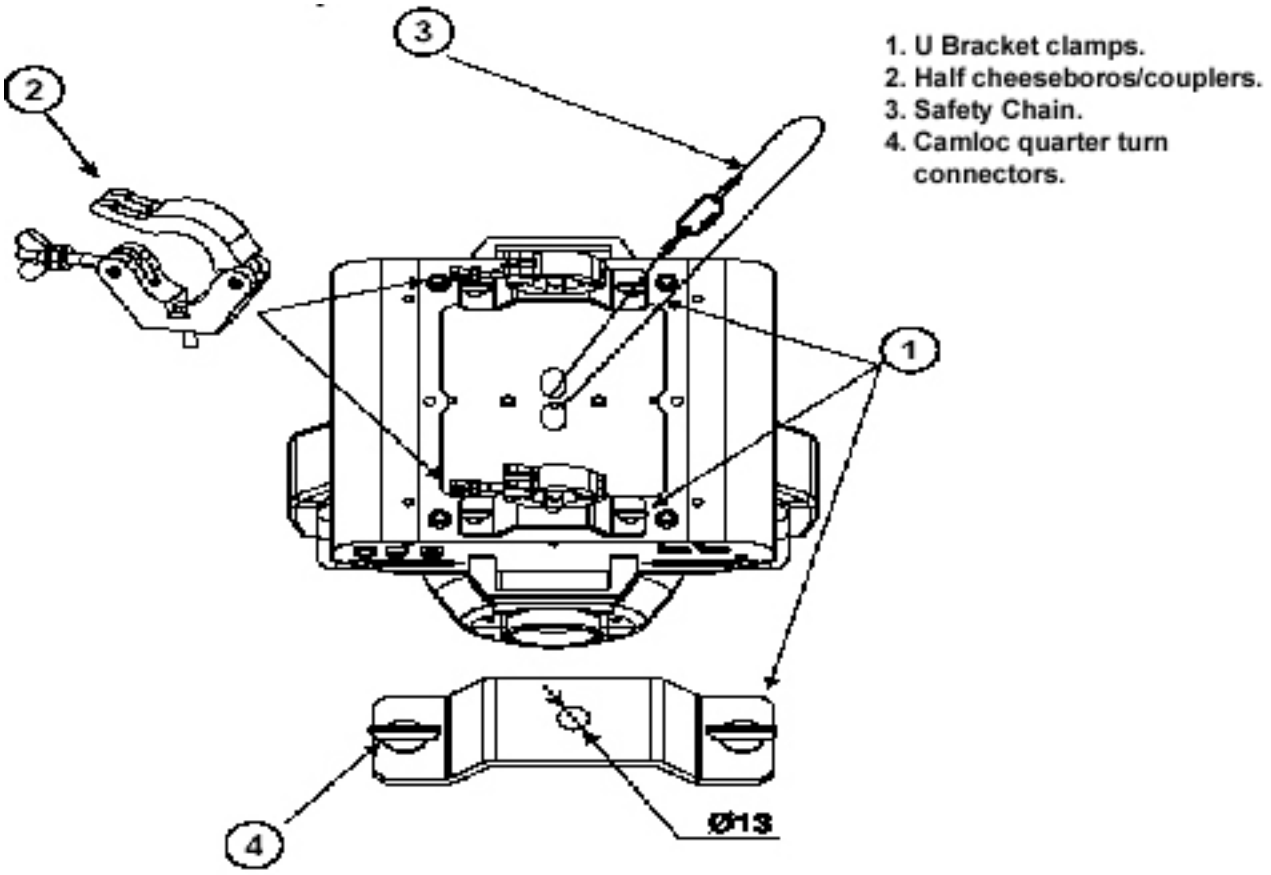
25mm is the **minimum** length of bolt you should use. Bolts are available in 5mm steps. So you can get 25mm, 30mm, 35mm and so on. Choose the bolt that best fits the length you will need to hold the C clamp or whatever clamping device you will be using.

Do not attempt to use any other bolt apart from M10 (10mm) with a 1.5mm thread. If you try to force a wrong bolt size the threads in the holes will be ruined and rendered useless as a load bearing point. Then you'll have to replace the base of the fixture.

Finally, just FYI 25.4mm is 1 inch.

Method 2 : Installation using U Bracket Claps with half Cheeseboros/couplers.

[The U brackets and the appropriate base for the mounting these brackets are an after sales accessory. They do <u>not</u> come as standard when the fixture is purchased].



U brackets can be used as an alternative installation method. They can have either half cheeseboros or C clamps fitted to them.
Fit the half cheeseboros or C clamps to the U brackets. Then fit the U brackets to the **MY 250Ì** using the camlocs.
Finally, fit a safety chain to **MY 250Ì** and remember don't clamp the safety to the same half cheeseboros or C clamp. That defeats the reason for a safety cable….namely a SEPARATE backup to the primary hanging mechanism.

DMX-512 control connection.

Connect the 3 pin XLR cable to the DMX controller and then to the first **MY 250Ì** in the daisy chain. Doing this way round avoids the pain of rewiring, if you get the wrong end of the cable back at the controller.
Continue wiring from one **MY 250Ì** to another in a daisy chain manner. Never try to Y split cables. Never try to "star wire" a DMX cable run, it will not work.
If additional cable needs to be made up then two-core cable with a screen needs to be purchased. For wiring please see the diagram below.

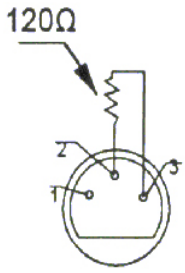
DMX -output
XLR mounting-sockat

1:Ground
2:Signal(-)
3:Signal(+)

DMX -input
XLR mounting-sockat

1:Ground
2:Signal(-)
3:Signal(+)

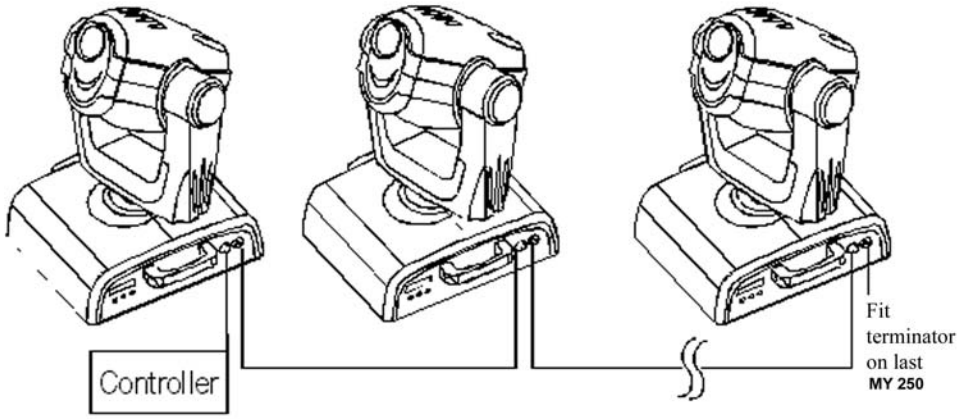
DMX has a maximum running distance of 330 feet. When long distances are involved then there is a tendency for electrical noise to be evident. In which case a DMX terminator will be required. The terminator helps prevent corruption of the DMX signal. To make a DMX terminator simply solder a 120 ohm resistor across pins 2 and 3 of an XLR male connector. Then place that connector at the very end of the DMX cable run. In other words at the last **MY 250Ì**.



It maybe the case that you will need to connect a 5 pin XLR to the 3 pin XLR. In a normal DMX wiring configuration, the 5 pin is soldered identically to the 3 pin. So in the 5 pin

1: Ground
2: Signal (-)
3: Signal (+)

Pins 4 and 5 are not used. Be very sure you read the pin numbering on the connector when you solder up the connector. Do not just wire up the three pins to the left or right because the male and female connector has the pins on different “sides” of the connector! Read the pin numbers.



Projector DMX start address selection

In order for the controller like **Elektralite's CP10xt** to control each **MY 250Ì** it has to know where it is in the daisy chain of DMX. To do this all **MY150**s have to be set to a start address. To understand the concept of a starter address we also have to understand the concept of channels and the features those channels have.
MY 250Ì uses 14 channels of DMX. Those channels control the features of **MY 250Ì**. They are as follows:-

CHANNEL 1 : select one of the 9 colors, color cycle or rainbow effect
CHANNEL 2 : select one of the 6 gobo's + open or gobo cycle+ gobo shake
CHANNEL 3 : select gobo rotation speed and direction
CHANNEL 4 : select one of the 7 gobos + open or gobo cycle + gobo shake.
CHANNEL 5 : pan movement (max. 630°)
CHANNEL 6 : tilt movement (max. 265°)
CHANNEL 7 : speed pan/tilt movement, blackout selection
CHANNEL 8 : select prism or normal lens + prism rotation and speed. Also 16 prism macros.
CHANNEL 9 : focus
CHANNEL10: select strobe (0 – 15 flashes per second). Both linear & random strobe.
CHANNEL11: dimmer 0-100%. (N.B. this channel only works when channel 10 is between dmx level 32-63).
CHANNEL12: Iris movement with in built effects engine for iris.
CHANNEL13: auto program control + lamp on, motor reset and lamp switch off.
CHANNEL14: pan fine.
CHANNEL15: tilt fine.

So if we start with the first **MY 250Ì** its first channel is 1. So we refer to it as having a starter address of 1.
The second **MY 250Ì** will then have its first channel or starter address at channel 17.
The third **MY 250Ì** will then have its first channel or starter address at channel 33, the fourth **MY 250Ì** will start on 049 and so on. Now if you want two **MY 250Ìs** to be always the same in color, movement and so on then you can set both of them to the same address. In this way you can create groups of fixtures having the same effects happen at the same time. There is no restriction on how many **MY 250Ìs** you have on the same starter address

If you just bought four MY 250Ì and it came with an Elektralite CP10xt, the starter addresses in the CP10xt have already been set. All you have to do is set the starter addresses on the four MY250Ìs.

If you have another controller, then you will have to set it's starter addresses for each **MY 250Ì** before you will be able to control any **MY 250Ì.**

Tips & Tricks

1. If you change the address on **MY 250Ì** it may appear not to have accepted that address. Turn **MY 250Ì** off wait until the lamp cools down (remember it is not a hot re-strike lamp) and then turn it back on again.
2. When you turn on **MY 250Ì**, if it is receiving data, the display will show "A.001" or "A.017" or whatever the address is for **MY 250Ì**. If there is still no data getting to **MY 250Ì**, then run a cable directly from the controller to the fixture.

THE DISPLAY PANEL.

The display panel on **MY 250Ì** offers many features. For example, you can set the starting address, switch on and off the lamp, run the pre-programmed program or make a reset.
The Main Menu is accessed by pressing the ENTER button until the display starts flashing which will be about 3 seconds. You can scroll through the menu using the UP button. Then use the ENTER button again to select the menu you want. Confirm every selection by pressing the ENTER button. You can change the selection by using the UP button and you can exit a sub-menu by pressing the EXIT button.
The features of the display panel are listed as follows:-

Default settings shaded.

	Main menu	Sub menu	Extension	Display	Function
0	MODE	ADDR	VALU	A001~A511 (AXXX)	DMX address setting
			SLAV	ON/OFF (SLAV)	Slave setting
			EBOC	OFF	No functions
		RUN	AUTO	ALON (AU-A)	Automatic Program Run in Stand Alone
				MAST (AU-M)	Automatic Program Run as Master
			SOUN	ALON (SO-A)	Sound-controlled Program Run in Stand Alone
				MAST (SO-M)	Sound-controlled Program Run as Master
		DISP	VALU	D–00 ~ D-30 (DXXX)	Display the DMX 512 value of each channel
			RDIS	ON/OFF	Reverse display
			CLDI	ON/OFF	Shut off LED display
1	LAMP	OPEN	ON/OFF		Lamp on/off
		ONLI	ON/OFF		Lamp on/off via controller
		DELA	D–00 ~ D-59,D-15		Delay lamp on
2	SET	RPAN	ON/OFF		Pan Reverse
		RTIL	ON/OFF		Tilt Reverse
		16BI	ON/OFF		Switch 16 bit/8 bit
		REST	ON/OFF		Reset
		LODA	ON/OFF		Restore factory settings
		VER	V-1.0~V-9.9		Software version
3	ADJU	LADJ	ON/OFF		Lamp adjustment
		TEST	T–01 ~ T–30		Test function of each channel
4	TIME	MATI	0000~9999 (hours)		Fixture running time
		LATI	0000~9999 (hours)		Lamp running time
		CLMT	ON/OFF		Clear fixture time
		CLLT	ON/OFF		Clear lamp time
5	EDIT	STEP	S–01 ~ S–48		Steps of Program Run
		SC01 ~ SC48	C–01 ~ C–30	01XX (00~FFH) 30XX (00~FFH)	Edit the channels of each scene
			TIME (sec.)	T – – X (1~9)	Time for each scene
			CNIN	ON/OFF	Edit program via controller

Main functions

MODE - JUMP - SET - ADJU - TIME - EDIT

MODE - Main menu 0

MODE - ADDR
RUN
DISP

1. Press **[ENTER]** for 3 seconds to enter the main menu **"MODE"** (display flashing)
2. Press **[ENTER]** and select **"ADDR"**, **"RUN"** or **"DISP"** by pressing **[UP]** button.
3. Press **[ENTER]** for selecting the desired sub menu.

ADDR - DMX address setting, Slave setting

MODE - ADDR - VALU - A001-A511
SLAV - ON/OFF
ECOC - ON/OFF

VALU - DMX address setting

This function, adjusts the desired DMX-address via the Control Board.

1. Select **"VALU"** by pressing **[UP]** button.
2. Press **[ENTER]**, adjust the DMX address by pressing **[UP]** or **[DN]**.
3. Press **[ENTER]** to confirm.
4. Press **[EXIT/DN]** to return to main menu.

SLAV - Slave setting

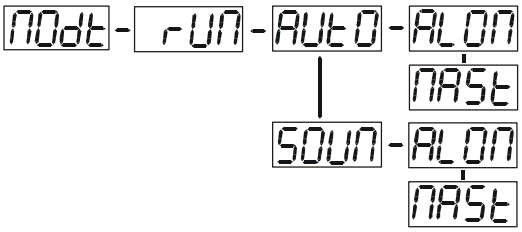
This function, turns **MY 250** into a slave.

1. Select **"SLAV"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to enable this function or **"OFF"** if you don't.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.

ECOC - No functions

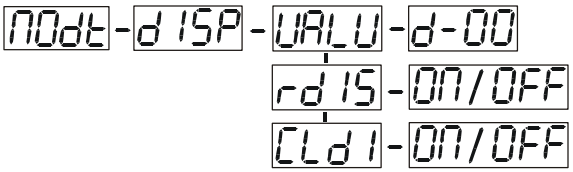
RUN - Program Run, Master setting

This function **"RUN"**, runs the internal program. You can set the number of steps under Step. You can edit the individual scenes under Edit. You can run the individual scenes either automatically (AUTO), i.e. with the adjusted Step-Time or sound activated (SOUN). The selection "ALON" means Stand Alone-mode and "MAST" means **MY 250ì** is the master.



1. Select **"AUTO"** or **"SOUN"** by pressing **[UP]**.
2. Press **[ENTER]** for selecting the desired extension menu.
3. Select **"ALON"** or **"MAST"** by pressing **[UP]**.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.

DISP - Display the DMX-value, Reverse display, Shut off LED display



VALU - Display the DMX 512 value of each channel

This function displays the DMX 512 value of each channel.

1. Select **"VALU"** by pressing **[UP]**.
2. Press **[ENTER]** to confirm; the display shows**"D-00"**. In this setting, the DMX value will be adjusted for every channel will be displayed.
3. Press **[UP]** in order to select the desired channel. If you select **"D-14"** the display will only show the DMX-value of the 14th channel.
4. Press **[ENTER]** to confirm.
5. The display shows **"D- XX"**, "X" stands for the DMX-value of the selected channel.
6. Press **[ENTER]** or **[EXIT/DN]** to exit.

rdIS - Reverse display

This function rotates the display by 180°.

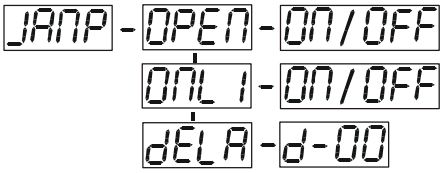
1. Select **"rDIS"** by pressing **[UP]**.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** if you wish to enable this function or **"OFF"** if you don't; the display will rotate by 180°.
4. Press **[ENTER]** or **[EXIT/DN]** to exit.

CLd1 - Shut off LED display

This function shuts off the LED display after 2 minutes.

1. Select **"CLDI"** by pressing **[UP]**.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** if you wish to enable this function or **"OFF"** if you don't.
4. Press **[ENTER]** or **[EXIT/DN]** to exit.

JAMP - Main menu 1



1. Press **[ENTER]** for 3 seconds to enter the main menu (display flashing).
2. Press **[UP]** to select **"LAMP"**.

OPEN - Lamp on/off

This function switches the lamp on or off via the display panel.

1. Select **"OPEN"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** if you wish to switch on the lamp or **"OFF"** if you wish to switch it off.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.

ONLI - Lamp on/off via external controller

This function switches the lamp on or off via an external controller like the **Elektralite CP10xt.**

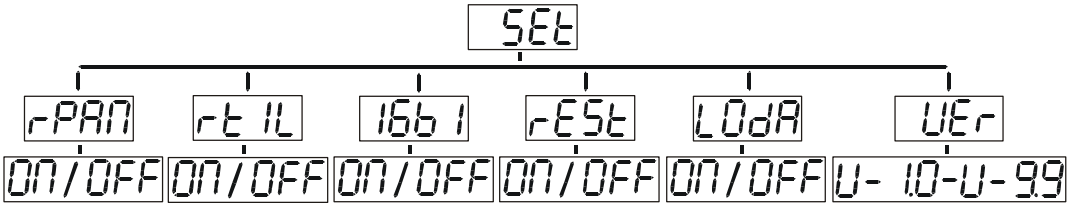
1. Select **"ONLI"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** if you wish to enable this function or **"OFF"** if you don't.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.

dELA - Delay lamp on

This function delays the lamp ignition.

1. Select **"DELA"** by pressing **[UP]** button.
2. Press **[ENTER]** to confirm; the display shows **"D-00"**. In **"D-00"**, the lamp strikes immediately.
3. Press **[UP]** to select the desired delay between **"00"** and **"59"** minutes.
4. If you select **"D-03"** the lamp will strike after 3 minutes.
5. Press **[ENTER]** to confirm.
6. Press **[EXIT/DN]** to return to the main menu.

SEt - Main menu 2



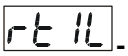
1. Press **[ENTER]** for 3 seconds to enter the main menu (display flashing).
2. Press **[UP]** to select **"SET"**.

rPAN - Pan Reverse

This function reverses the Pan movement.

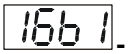
1. Select **"rPAN"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to enable this function or **"OFF"** if you don't.

4. Press **[ENTER]** or **[EXIT/DN]** to exit.

 **- Tilt Reverse**

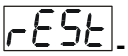
This function reverses the Tilt movement.

1. Select **"rTIL"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to enable this function or **"OFF"** if you don't.
5. Press **[ENTER]** or **[EXIT/DN]** to exit.

 **- Switch 16 bit/8 bit**

This function switches **MY 250Ì** from 16 bit to 8 bit resolution.

1. Select **"16BI"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to set 16 bit, or **"OFF"** to set 8 bit. The channels PAN Fine and TILT Fine will be disabled.
4. Press **[ENTER]** or **[EXIT/DN]** to exit.

 **- Reset**

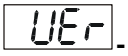
This function resets **MY 250Ì** via the display panel.

1. Select **"rEST"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to enable this function or **"OFF"** if you don't.
4. Press **[ENTER]** or **[EXIT/DN]** to exit.

- Restore factory settings

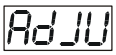
This function restores the factory settings of the device. All settings will be reset to the default values (shaded). Any edited scenes will be lost.

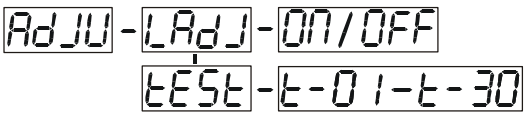
1. Select **"LODA"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to enable this function or **"OFF"** if you don't.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.

 **- Software version**

This function displays the software version of the device.

1. Select **"VER"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"V-X.X"**, "X.X" stands for the version number, e.g. "V-1.0", "V-2.6".
3. Press **[ENTER]** or **[EXIT/DN]** to return to the main menu.

 **- Main menu 3**



1. Press **[ENTER]** for 3 seconds to enter the main menu (display flashing).
2. Press **[UP]** to select **"ADJU"**.

- Lamp adjustment

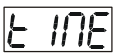
With this function you can adjust the lamp via the Control Board. The shutter opens and the lamp can be adjusted. In this mode, the device will not react to any control signal.

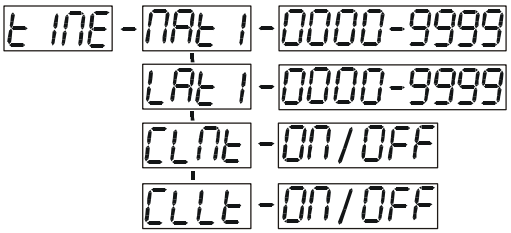
1. Select **“LADJ”** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **“ON”** or **“OFF”**.
3. Press **[UP]** to select **“ON”** if you wish to enable this function or **“OFF”** if you don’t.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** in order to return to the main menu.

- Test function of each channel

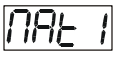
With this function you can test each channel on its (correct) function.

1. Select **“tESt”** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **“T-XX”**, “X” stands for the channel number.
3. The current channel will be tested.
4. Select the desired channel by pressing **[UP]** button.
5. Press **[ENTER]** or **[EXIT/DN]** to exit.


- Main menu 4

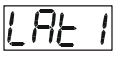


1. Press **[ENTER]** for 3 seconds to enter the main menu (display flashing).
2. Press **[UP]** to select **“TIME”**.


- Fixture running time

This function displays the running time of **MY 250Ì**.

1. Select **“MATI”** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **“XXXX”**, “X“ stands for the number of hours.
3. Press **[ENTER]** or **[EXIT/DN]** to exit.


- Lamp running time

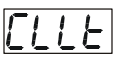
This function displays the running time of the lamp.

1. Select **“LATI”** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **“XXXX”**, “X“ stands for the number of hours.
3. Press **[ENTER]** or **[EXIT/DN]** to exit.

- Clear fixture time

This function clears the running time of the device.

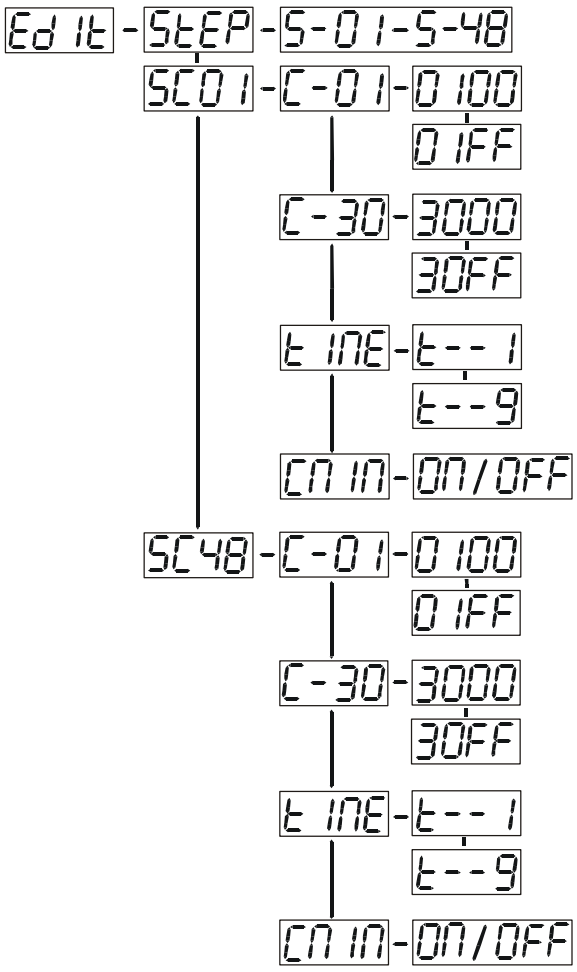
1. Select **“CLMT”** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **“ON”** or **“OFF”**.
3. Press **[UP]** to select **“ON”** to enable this function or **“OFF”** if you don’t.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.


- Clear lamp time

This function clears the running time of the lamp. Please clear the lamp time every time you replace the

lamp.

1. Select **"CLLT"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"ON"** or **"OFF"**.
3. Press **[UP]** to select **"ON"** to enable this function or **"OFF"** if you don't.
4. Press **[ENTER]** to confirm.
5. Press **[EXIT/DN]** to return to the main menu.



EdIt - Main menu 5

1. Press **[ENTER]** for 3 seconds to enter the main menu (display flashing).
2. Press **[UP]** to select **"EDIT"**.

StEP - Define the number of steps in Run

This function defines the number of steps in the Program Run.

1. Select **"STEP"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"S-XX"**, "X" stands for the total amount of steps you want to save, so you can call up to 48 scenes in **"RUN"**. For example if the "XX" is 05, it means that **"RUN"** will run the first 5 scenes you saved in **"EDIT"**.
3. Press **[ENTER]** to save and exit.

SC01 - Editing the channels of the individual scenes

This function can edit the program to be called up in Run.

a) Editing via the Control Board

1. Select **"SC01"** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **"SCXX"**, "X" stands for the scene no. to be edited.
3. Change the scene no. by pressing **[UP]**.
4. Press **[ENTER]**, the display shows **"C-X"**, "X" stands for the channel no. Such as **"C-01"**, it means you are editing channel 1 of the selected scene.
5. Select the channel number you would like to edit by pressing **[UP]**.
6. Press **[ENTER]** to enter editing for the selected channel, the fixture reacts to your settings. The display shows the DMX value of the edited channel. Such as " 11XX", it stands for in the channel 11 of the editing scene, the DMX value is XX , XX is a hexadecimal number value "01-FF".
7. Adjust the desired DMX value by pressing **[UP]** or **[DN]**.
8. Press **[ENTER]** in order to edit other channels of this scene.
9. Repeat steps 5-9 until you finish setting all the DMX values for all channels of this scene.
10. Once all the channels completed, the display will flash **"tIME"**
11. Press **[ENTER]** to edit the time needed, the display shows "t--X","X" stands for the time needed to run the current scene, value "1-9". For example, "t--2" means you need 2 seconds to run the current scene.
12. Adjust the desired time by pressing **[UP]**.
13. Press **[ENTER]** to save the settings for the scene you are editing, the display will change to the next scene automatically.
14. Repeat step 3-14 to edit and other scenes, you can edit and save a maximum of 48 scenes.
15. Press **[EXIT/DN]** to exit. The number of steps can be defined under **"STEP"** and the scenes can be called up under **"RUN"**

b) Editing via the external controller

Call up the first scene in your controller now.

1. Select **“SC01”** by pressing **[UP]** button.
2. Press **[ENTER]**, the display shows **“SC01”**.
3. Press **[ENTER]**, the display shows **“C-01”**.
4. Select **"CNIN"** by pressing **[UP]**.
5. Press **[ENTER]**, the display shows **"OFF"**.
6. Press **[UP]**, the display shows **"ON"**.
7. Press **[ENTER]**, the display shows **"SC02"**. You successfully downloaded the first scene.
8. Adjust the Step-time as described above under point 12.
9. Call up the second scene in your controller now.
10. Repeat steps 5-11 until all desired scenes are downloaded.
11. Press **[EXIT/DN]** to exit. The number of steps can be defined under **“STEP”** and the scenes can be called up under **“RUN”**

INSTRUCTIONS ON USE:

The moving head is controlled by 15 DMX channels

CHANNEL 1 : select one of the 9 colors, color cycle or rainbow effect
CHANNEL 2 : select one of the 6 gobo's + open or gobo cycle+ gobo shake
CHANNEL 3 : select gobo rotation speed and direction
CHANNEL 4 : select one of the 7 gobos + open or gobo cycle + gobo shake.
CHANNEL 5 : pan movement (max. 630°)
CHANNEL 6 : tilt movement (max. 265°)
CHANNEL 7 : speed pan/tilt movement, blackout selection
CHANNEL 8 : select prism or normal lens + prism rotation and speed. Also 16 prism macros.
CHANNEL 9 : focus
CHANNEL10: select strobe (0 – 15 flashes per second). Both linear & random strobe.
CHANNEL11: dimmer 0-100%. (N.B. this channel only works when channel 10 is between dmx level 32-63).
CHANNEL12: Iris movement with in built effects engine for iris.
CHANNEL13: auto program control + lamp on, motor reset and lamp switch off.
CHANNEL14: pan fine.
CHANNEL15: tilt fine.

DMX channel's function and values:

Channel 1 – Color Wheel:

0-13	Open / white
14-27	Orange
28-41	Blue
42-55	Green
56-69	Yellow
70-83	Red
84-97	Magenta
98-111	Light Blue
112-128	Yellow & Green
128-187	Forwards rainbow effect from fast to slow
188-193	No rotation
194-255	Backwards rainbow effect from slow to fast

Channel 2 – Rotating gobos:

0-9	Open
10-19	Rot. gobo 1
20-29	Rot. gobo 2
30-39	Rot. gobo 3
40-49	Rot. gobo 4
50-59	Rot. gobo 5
60-69	Rot. gobo 6
70-89	Gobo 1 shake slow to fast
90-109	Gobo 2 shake slow to fast
110-129	Gobo 3 shake slow to fast
130-149	Gobo 4 shake slow to fast
150-169	Gobo 5 shake slow to fast
170-189	Gobo 6 shake slow to fast
190-255	Rot. gobo wheel cont. rotation slow to fast

Channel 3 – Rotation gobo index , rotating gobo

0-127	Gobo indexing
128-187	Forward gobo rotation from fast to slow
188-191	No rotation
192-255	Backwards gobo rotation from slow to fast

Channel 4 –Fixed Gobos

0-13	Open/hole
14-27	Gobo 1
28-41	Gobo 2
42-55	Gobo 3
56-69	Gobo 4
70-83	Gobo 5
84-97	Gobo 6
98-111	Gobo 7
112-127	Gobo 1 shake slow to fast
128-143	Gobo 2 shake slow to fast
144-159	Gobo 3 shake slow to fast
160-175	Gobo 4 shake slow to fast
176-191	Gobo 5 shake slow to fast
192-207	Gobo 6 shake slow to fast
208-223	Gobo 7 shake slow to fast
224-255	Gobo wheel rotation from slow to fast

Channel 5 – PAN coarse movement (8 bit)

Channel 6 – TILT coarse movement (8 bit)

Channel 7 –Speed pan/tilt movement

0-14	max speed
15-225	max to min speed
226-235	blackout by movement
236-245	blackout by all wheel changing
246-255	No rotation

Channel 8 –3 facet rotating prism, Prism / Gobo macros

0-3	open
4-63	Forwards rotation from fast to slow
64-67	No rotation
68-127	Backwards rotation from slow to fast
128-135	Macro 1
136-143	Macro 2
144-151	Macro 3
152-159	Macro 4
160-167	Macro 5
168-175	Macro 6
176-183	Macro 7
184-191	Macro 8
192-199	Macro 9
200-207	Macro 10
208-215	Macro 11
216-223	Macro 12
224-231	Macro 13
232-239	Macro 14
240-247	Macro 15
248-255	Macro 16

Channel 9 – Focus

0-255	Continuous adjustment from far to near

Channel 10 –Shutter, strobe

0-31	Shutter closed
32-63	Dimmer control (shutter open)
64-95	Strobe effect slow to fast
96-127	No function (shutter open)
128-159	Pulse-effect in sequences
160-191	No function (shutter open)
192-223	Random strobe effect slow to fast
224-255	No function (shutter open)

Channel 11 – Dimmer (intensity)

0-255	Intensity 0 to 100%

Channel 12 - Iris

Maximum. diameter to minimum diameter

Iris pulsing from Minimum diameter to max.
As dmx value increases the pulse gets slower.
Iris pulsing from Maximum to min.
As dmx value increases the pulse gets faster.

Channel 13 – Lamp on/off, reset, internal

0-19	color change normal by direction depend on distance
20-39	color change to any position by direction depend on distance
40-59	Lamp on
60-79	Lamp switch off
80-99	Motor reset
100-119	Internal program 1
120-139	Internal program 2
140-159	Internal program 3
160-179	Internal program 4
180-199	Internal program 5
200-219	Internal program 6
220-239	Internal program 7
240-255	Internal program 8

Channel 14 – Pan fine

Channel 15 – Tilt fine

ERROR MESSAGE

When you turn on the fixture, it will reset first. The display may show “Xer” while there are problems with one or more channels. “XX” stands for channel 1,2,3,5,6,7 which has the testing sensor for positioning .
So, for example, when the display shows “02Er”, it means there is some error in channel 2. If there are errors on channel 1, channel 2, channel 5 at the same time, you will see the error message “01Er”, “02Er”,”05Er” flash repeated for 5 times. Then the fixture will generate a reset signal to all the stepper motors. If the error message remains after performing reset more than 3 times, it will detect whether the fixture has more than 3 errors.

01Er:
Color wheel error. This message will appear after resetting **MY 250Ì** and the magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive circuit on the main circuit board). Normally after a reset, the color wheel will go to its default position.

02Er:
Rotating gobo wheel error. This message will appear after resetting **MY 250Ì** and the magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive circuit on the main circuit board). Normally after a reset, the rotating gobo wheel will go to its default position.

03Er:
Rotating gobo indexing error. This message will appear after resetting **MY 250Ì** and the magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive circuit on the main circuit board). Normally after a reset, the rotating gobo will go to its default position.

04Er:
Fixed gobo wheel error. This message will appear after resetting **MY 250Ì** and the magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive circuit on the main circuit board). Normally after a reset, the fixed gobo wheel will go to its default position

05Er:
Pan movement error. This message will appear after resetting **MY 250Ì** and the yoke’s magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive IC on the main circuit board). Normally after a reset, the yoke will go to its default position.

06Er:
Tilt head movement error. This message will appear after resetting **MY 250Ì** and the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive IC on the main circuit board). Normally after a reset, the head will go to its default position.
08Er:
Prism wheel error. This message will appear after resetting **MY 250Ì** and the magnetic indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or it could be the drive circuit on the main circuit card). Normally after a reset, the head will go to its default position.

CLEANING AND MAINTENANCE

1. All bolts and safety chains must be tightly screwed into position and have no corrosion.
2. Regularly check all mechanic moving parts for wear. They must rotate freely and in no way stick or squeak.
3. Regularly look for wear and tear on the 120 volt input cable and the DMX signal cable.
4. Clean **MY 250Ì** at frequent intervals. Use a moist lint free cloth. Do not use a wet cloth or a cloth with alcohol or solvents added. Clean lens and the reflector when the lamp is off, disconnected from the 120 supply and when it is cool.

TECHNICAL SPECIFICATIONS

Power supply : 120VAC, 60Hz
Power consumption : max. 400 VA
Lamp : MSD250/2 GY9.5 socket, Metal Halide
Motors : 11 micro motors
Packing dimensions :66cm x 56cm x52 cm [26" x 22" x 21"]
Net weight : 25 KGS; 55 lbs
Gross weight: 29 KGS; 64 lbs.

[Errors and omissions for all information given in this manual is excepted.
All information is subject to change without prior notice].

REGISTERING YOUR MY250Ì

It is very important that you register your **MY 250Ì** so that you can receive any updates and have your warranty in operation. To register please fill in the warranty form which can be found at www.myelektralite.com

[Manual Updates. V1.12 = V1.1 + explanation of M10 bolts & insert on 3 to 5 pin DMX XLRs].

Other Elektralite Products include :

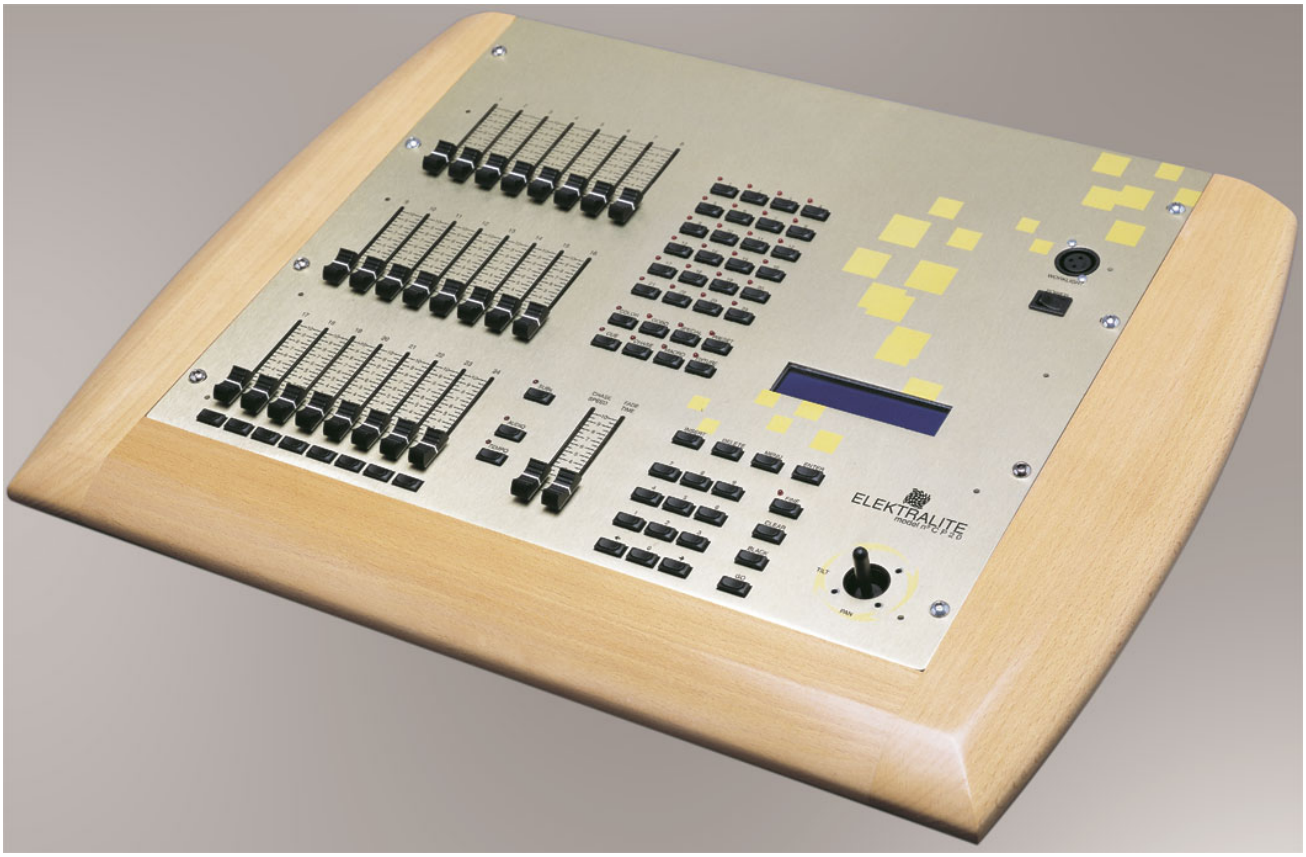
[Also check out our website at www.myelektralite.com]

CP-3 Controller.

CP-10xt Controller.

CP-16 /24 Controller.

CP-20xt Controller.



TurboFog + Fog Machine.